

DRILL HOLES

DRILL HOLES

DRILL HOLES

BORDER REV: DATE: June 1, 2004

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF AN EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 212 (RIGGS ROAD) AND METZEROTT ROAD IN PRINCE GEORGE'S COUNTY. THE EXISTING INDUCTION LOOPS ON METZEROTT ROAD AND MD 212 (RIGGS ROAD) SHALL BE ABANDONED AND REPLACED WITH VIDEO DETECTION. THE EXISTING MICRO-LOOP PROBES ON MD 212 (RIGGS ROAD) ARE TO REMAIN. MD 212 (RIGGS ROAD) IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

II. INTERSECTION OPERATION

- THE INTERSECTION IS TO CONTINUE TO OPERATE IN A NEMA SIX-PHASE, FULLY-ACTUATED MODE, WITH THE MD 212 (RIGGS ROAD) APPROACHES RUNNING CONCURRENTLY. AN EXCLUSIVE/PERMISSIVE LEFT TURN PHASE SHALL BE PROVIDED FOR NORTHBOUND APPROACH OF MD 212 (RIGGS ROAD). COUNTDOWN PEDESTRIAN SIGNAL HEADS WITH AUDIBLE PUSHBUTTON ACTUATION SHALL REMAIN INSTALLED ACROSS THE NORTH AND SOUTH LEG MD 212 (RIGGS ROAD) AND WEST LEG OF METZEROTT ROAD. THE METZEROTT ROAD APPROACHES SHALL OPERATE AS A SIDE STREET SPLIT PHASE.
- THE EXISTING FULL-TRAFFIC-ACTUATED, EIGHT-PHASE CONTROLLER WITH ALL NECESSARY EQUIPMENT HOUSED IN A NEMA SIZE "5" POLE-MOUNTED CABINET SHALL BE UTILIZED AT THIS INTERSECTION.

III. SPECIAL NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES, TO THE APPROPRIATE TERMINALS AND SHALL PROPERLY LABEL EACH CABLE.
- ALL CONTROLLER CABINET WIRING WILL BE PERFORMED BY THE S.H.A. SIGNAL OPERATIONS CONTACT MR. ED RODENHIZER AT (410) 787-7650 SEVENTY-TWO HOURS IN ADVANCE OF INTENDED WORK.
- ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS. UTILITY PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.

- APS WILL CONTINUE TO FUNCTION AS FOLLOWS:

FOR MD 212 (RIGGS ROAD)

- WHEN PEDESTRIAN LOCATES AND PRESSES PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE "WAIT TO CROSS RIGGS AT METZEROTT WAIT."
- WHEN WALK PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK WHICH WILL LAST FOR THE DURATION OF THE WALK PHASE.

FOR METZEROTT ROAD

- WHEN PEDESTRIAN LOCATES AND PRESSES PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE "WAIT TO CROSS METZEROTT AT RIGGS WAIT" (CROSSWALK ANGLES LEFT)
- WHEN WALK PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK WHICH WILL LAST FOR THE DURATION OF THE WALK PHASE.

THE CONTACT PERSONS FOR DISTRICT #3 AND OFFICE OF TRAFFIC SAFETY ARE AS FOLLOWS:

MS. FELECIA MURPHY
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (301) 513-7409

MR. RICHARD L. DAFF, SR.
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

MR. VERNON STINNETT JR.
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (301) 513-7304

MR. ED RODENHIZER
MANAGER, SIGNAL OPERATIONS
410-787-7652

MR. VICTOR GRAFTON
DISTRICT ENGINEER - UTILITY
PHONE: (301) 513-7350

MR. MIKE STOCKER
SIGNAL OPERATIONS WAREHOUSE
410-787-7696

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE SHA.

ITEM CODE	QTY	UNITS	DESCRIPTION
9087	1	EA	VIDEO DETECTION INTERFACE EQUIPMENT: 5-8 CAMERAS

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

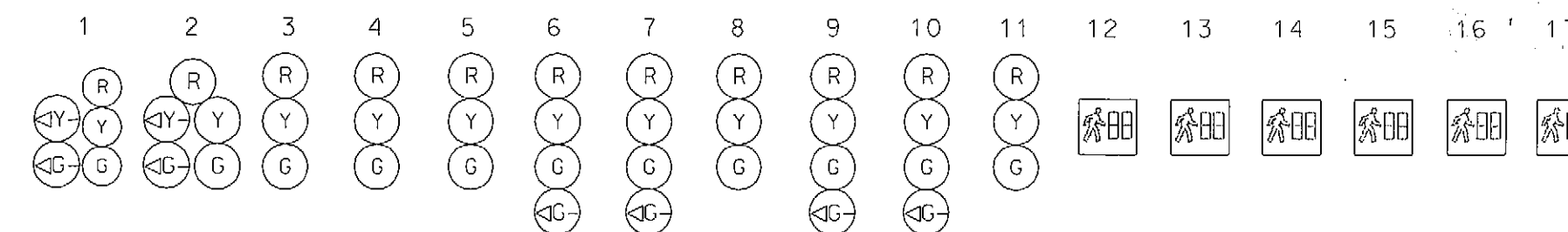
ITEM CODE	QTY	UNITS	DESCRIPTION
1002	1	EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
8003	5	EA	CLAMP ON VIDEO CAMERA ARM
8007	1	EA	REMOVE & DISPOSE OF MATERIAL & EQUIPMENT PER ASSIGNMENT
8008	5	EA	VIDEO DETECTION CAMERA & CABLE

C. ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.



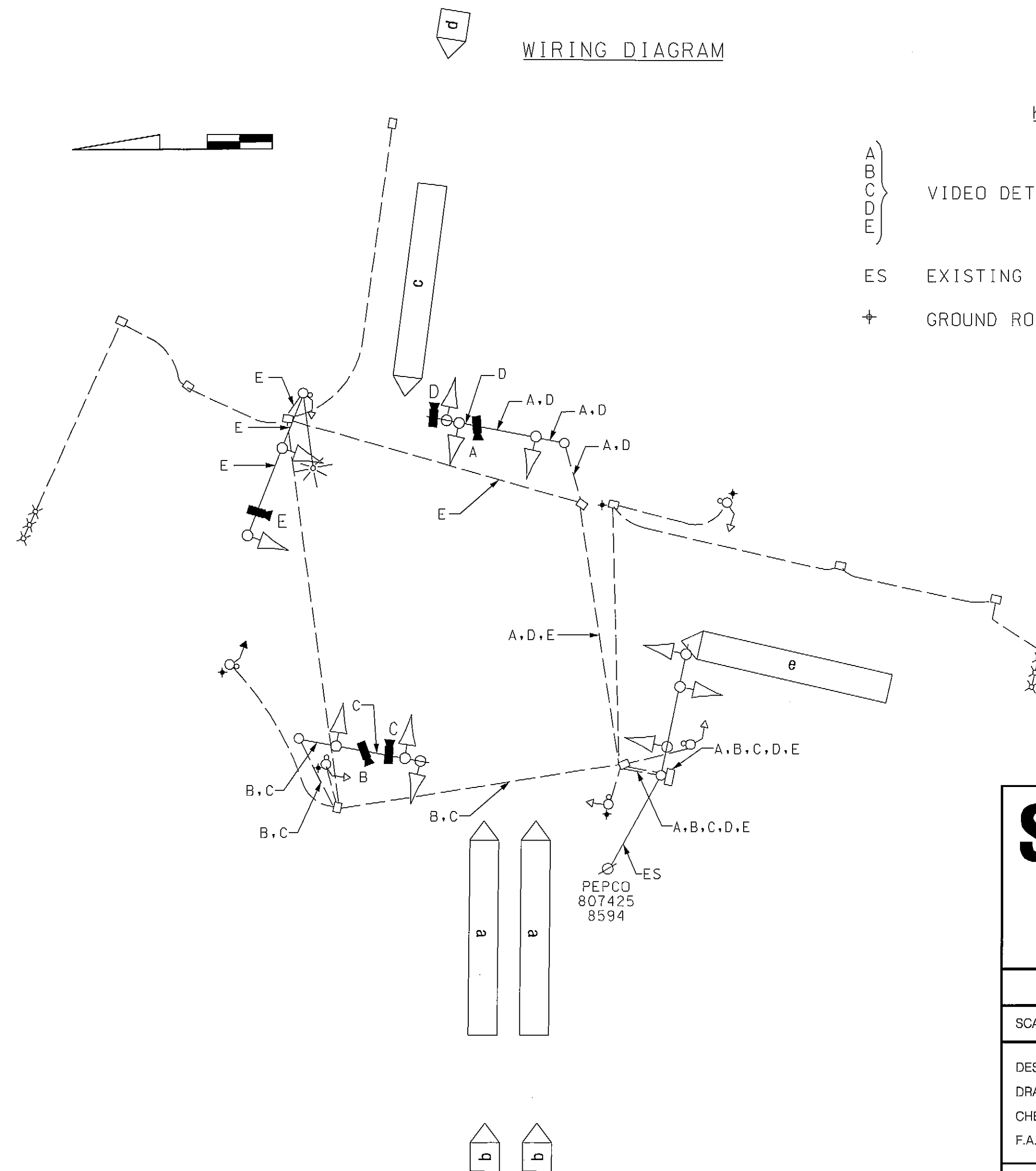
T3 DESIGN, P.C.
3927 OLD LEE HWY
SUITE 101-C
FAIRFAX, VA 22030
PHONE: 703-359-5981
www.t3design.us

PHASE CHART



PHASE 1 & 6	←G-/G	←G-/G	G	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
1 & 6 CHANGE	←Y-/Y	←Y-/Y	Y	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 2 & 6	G	G	G	G	G	R	R	R	R	R	R	R	WK	WK	DW	DW	DW	DW
PED CLEAR / COUNTDOWN	G	G	G	G	G	R	R	R	R	R	R	R	FL/DW	FL/DW	DW	DW	DW	DW
2 & 6 CHANGE	Y	Y	Y	Y	Y	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 3	R	R	R	R	R	R	R	R	R	G	G	G	DW	DW	DW	DW	DW	DW
3 CHANGE	R	R	R	R	R	R	R	R	R	Y	Y	Y	DW	DW	DW	DW	DW	DW
PHASE 4	R	R	R	R	R	G	G	G	R	R	R	R	DW	DW	DW	DW	DW	DW
4 CHANGE	R	R	R	R	R	Y	Y	Y	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 3 ALT	R	R	R	R	R	R	R	R	R	←G-	←G-	G	DW	DW	WK	WK	DW	DW
PED CLEAR / COUNTDOWN	R	R	R	R	R	R	R	R	R	G	G	G	DW	DW	FL/DW	FL/DW	DW	DW
3 ALT CHANGE	R	R	R	R	R	R	R	R	R	Y	Y	Y	DW	DW	DW	DW	DW	DW
PHASE 4 ALT	R	R	R	R	R	←G-	←G-	G	R	R	R	R	DW	DW	DW	DW	WK	WK
PED CLEAR / COUNTDOWN	R	R	R	R	R	G	G	G	R	R	R	R	DW	DW	DW	DW	FL/DW	FL/DW
4 ALT CHANGE	R	R	R	R	R	Y	Y	Y	R	R	R	R	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK

WIRING DIAGRAM



KEY

- VIDEO DETECTION CAMERA LEAD-IN CABLE
- ES EXISTING POWER SERVICE
- + GROUND ROD

TOD NO: XX656-05
SHA NO: PG771B54
MD 212 @ Metzerott Road

SHA		STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION	
MD 212 (RIGGS ROAD) AND METZEROTT ROAD ADELPHI, MARYLAND			
GENERAL INFORMATION SHEET			
SCALE	NONE	DATE	8/10/11
DESIGNED BY	GDS	COUNTY	PRINCE GEORGES
DRAWN BY	RLO	LOGMILE	16021203.60
CHECKED BY	AJM	TMS NO.	K800
F.A.P. NO.		TOD NO.	
TS NO.	685-GI	DRAWING NO.	2 OF 2
		SHEET NO.	2 OF 2